

## ABSTRACT

A device monitors an appliance that receives power from a source. The device includes a first coupler that couples the device to the power source. A second coupler  
5 couples the device to the appliance. A monitoring circuit is connected to the first coupler and the second coupler to monitor power supplied by the source to the appliance. A communications circuit also is provided. The monitoring circuit provides data based on the monitored power to the communications circuit for output to the first coupler. The  
10 communications circuit may include a receiver that receives a signal from the first coupler to control the monitoring circuit. The communications circuit also may include a transceiver that receives a signal from the first coupler to control the monitoring circuit and to transmit monitored power data.